

# *ENGINE CONTROL UNIT ENABLEMENT SYSTEM*

## **Abstract**

An engine control unit enablement circuit is disclosed that selectively closes a conductive path between a chargeable electrical energy source and electronics of an engine/motor. An engine position sensor provides feedback as to the rotational position of a rotating component of an engine to the enablement circuit. When the rotating component, e.g. crankshaft or flywheel, is rotating, the enablement circuit closes the conductive path and allows the transference of electrical energy from the energy source to the engine and motor electronics. Conversely, when feedback is received indicative of non-rotation of the rotating component, the enablement circuit opens the conductive path. As such, energy stored in the energy source remains stored. With a subsequent detection of rotation of the rotating component, the conductive is closed and the stored energy is allowed to pass to the engine and motor electronics thereby allowing faster powering of the engine and motor electronics.